

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	9351-46	09/854,362
(Use several sheets if necessary)	<b>APPLICANT</b>	
	David G. Frank, et al.	
	FILING DATE	GROUP
	May 15, 2001	1745

**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
<i>Jm</i>	A 6,165,634	12/26/00	Krasij, et al.	429	35	
	B 6,153,326	11/28/00	Matsukawa, et al.	429	34	
	C 6,130,272	10/10/00	Dopp, et al.	523	212	
	D 6,080,503	06/27/00	Schmid, et al.	429	35	
	E 5,908,888	06/01/99	Nakamura, et al.	524	433	
	F 5,877,256	03/02/99	Nakamura, et al.	524	765	
<i>Jm</i>	H 5,116,558	05/26/92	Wrobel, et al.	264	46.6	
	I 4,786,568	11/22/88	Elmore, et al.	429	44	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
<i>Jm</i>	J 0870587 A2	10/14/98	EP	B29C	45/00	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**


EXAMINER: DATE CONSIDERED:

*Ad J. Frank 4/03*

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**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
A	5,973,067	10/26/99	Nakamura, et al.	524	858	
B	5,077,249	12/31/91	Lee, et al.	502	5	
C	4,874,667	10/17/89	Lee, et al.	428	402	
D	4,784,879	11/15/88	Lee, et al.	427	213.34	
E	4,766,176	08/23/88	Lee, et al.	525	100	
F	4,719,262	01/12/88	Plueddemann	525	105	
G	4,269,991	05/26/81	Homan, et al.	556	427	
H	3,960,800	06/01/76	Kohl, Jr.	260	32.8	
I	3,794,556	02/26/74	Young	161	206	
J	3,377,309	04/09/68	Harper	260	32.8	
K	3,677,998	07/18/72	Young	260	33.6	
L	3,043,660	07/10/62	Hughes, et al.	23	182	
M	2,614,906	10/21/52	Spialter, et al.	23	182	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**


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*David G. Frank*

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

1

**Attorney Docket Number:**

**Cmplte if Known**

**Application Number**

09/854,362

**Filing Date**

May 15, 2001

**First Named In**

FRA

**Examiner Name**

Page 1

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Sheet 1 of 1 Attorney Docket Number 9351-46 HSF

## **U.S. PATENT DOCUMENTS**

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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